

# Program

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**January 31, 2009**

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registration 12:00~

**13:00 : Opening Remarks**

**Hitoshi Kikutani**

(Director of Research Institute for Microbial Diseases, Osaka University)

**Saburo Aimoto**

(Director of Institute for Protein Research, Osaka University)

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**13:15~14:55**

**Session 1 : Cancer and Development**

**Chair: Takashi Suda (CRI, Kanazawa Univ.), Nobuyuki Takakura (RIMD, Osaka Univ.)**

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**S1-1** (30min)

**Stem cell maintenance and ageing in the skin**

Emi Nishimura

(Cancer Research Institute, Kanazawa University)

**S1-2** (30min)

**Common molecular basis for the regulation of angiogenesis and vascular aging**

Yasufumi Sato

(Institute of Development, Aging and Cancer, Tohoku University)

**S1-3** (40min)

**Development of the retinal vasculature**

Marcus Fruttiger

(UCL Institute of Ophthalmology, University College London)

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break 14:55~15:15

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**15:15~18:00**

**Young Investigators Forum**

**Chair: Daisuke Kohda (MIB, Kyusyu Univ.), Nobuyuki Takakura (RIMD, Osaka Univ.)**

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(6 min presentation, 3 min discussion)

**Y-1**

**Reverse genetics for mammalian reovirus**

Takeshi Kobayashi (IVR, Kyoto Univ.)

**Y-2**

**Regulation of innate immune response by autophagy-related protein**

Tatsuya Saito (RIMD, Osaka Univ.)

**Y-3**

**Specific upregulation of translation of the measles virus nucleocapsid mRNA by a host RNA binding protein**

Hiroki Sato (IMS, The Univ. of Tokyo)

**Y-4**

**Hepatocyte Growth Factor Induces Gefitinib Resistance of Lung Adenocarcinoma with EGF Receptor Activating Mutations**

Wei Wang (CRI, Kanazawa Univ.)

**Y-5**

**Challenge to control cancer with newly synthesized Curcumin analogs**

Hiroyuki Shibata (IDAC, Tohoku Univ.)

**Y-6**

**Molecular mechanism of the formation of epithelial-like cell morphology and tumor suppression by CADM1/TSLC1**

Mika Sakurai (IMS, The Univ. of Tokyo)

**Y-7**

**A New Strategy for Biomarker Discovery Based on the NBS Method**

Makoto Watanabe (IPR, Osaka Univ.)

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**Break 10 min**

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**Y-8**

**Roles of continuous neurogenesis in the structural and functional integrity of the adult forebrain**

Itaru Imayoshi (IVR, Kyoto Univ.)

**Y-9**

**Evolution of Vertebrate Olfactory Receptor Gene Families: From the Viewpoint of Comparative Genomics**

Yoshihito Niimura (MRI, Tokyo Medical and Dental Univ.)

**Y-10**

**Differential roles of related CDK inhibitor p27 and p57 in mice development**

Akinobu Matsumoto (MIB, Kyushu Univ.)

**Y-11**

**Proteomic analysis of calcium oxalate renal stones - implications for involvement of multiple sets of proteins in renal stone formation**

Nobuaki Okumura (IPR, Osaka Univ.)

**Y-12**

**Significance of juxtamembrane Ser985 phosphorylation in regulation of Met/HGF receptor function**

Mizuho Nakayama (CRI, Kanazawa Univ.)

**Y-13**

**Role of protein phosphatase in regulation of cell survival and apoptosis**

Takayasu Kobayashi (IDAC, Tohoku Univ.)

**Y-14**

**Role for DYRK2 on induction of apoptosis in response to DNA damage**

Kiyotsugu Yoshida (MRI, Tokyo Medical and Dental Univ.)

**Y-15**

**Nemo-like kinase suppresses Notch signalling by interfering with formation of the Notch active transcriptional complex**

Tohru Ishitani (MIB, Kyushu Univ.)

**Y-16**

**Molecular machinery for transport of GPI-anchored proteins from the ER to the Golgi**

Morihisa Fujita (RIMD, Osaka Univ.)

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**18:00-**

**Reception** with poster viewing

**Remarks from Yoshihiro Yoneda**

(Graduate School of Frontier Bioscience, Osaka Univ.)

Nomination of young investigator award

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**February 1, 2009**

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**9:00~11:35**

**Session 2: Toward New Horizons for Understanding and Preventing Amyloidosis**

**Chair: Toshifumi Takao, Yuji Goto (IPR, Osaka Univ.)**

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**S2-1 (20 min)**

**Overview: Protein Science and Amyloidosis**

Yuji Goto (Institute for Protein Research, Osaka University)

**S2-2 (20 min)**

**Structure of the transmembrane-juxtamembrane region of the amyloid precursor protein: Implications for proteolysis at the  $\epsilon$ -cut site**

Takeshi Sato, Steven O. Smith and Saburo Aimoto (Institute for Protein Research, Osaka University)

**S2-3 (30 min)**

**Imaging and biomarker development in Alzheimer's disease towards early intervention**

Hiroyuki Arai (Institute of Development, Aging and Cancer, Tohoku University)

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**break 10:10~10:25**

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**S2-4 (30 min)**

**Molecular Mechanism of Infection of Amyloidosis**

Keiichi Higuchi (Institute on Aging and Adaptation, Shinshu University Graduate School of Medicine)

**S2-5 (40 min)**

**Reflections, current status, and future on amyloidosis**

Per Westermark (Department of Genetics and Pathology, Uppsala University)

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**11:35~13:00**

lunch and network organizer meeting

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**13:00~15:10**

**Session 3: Infection, Immunology & Defense**

**Chair: Atsushi Kumanogoh (RIMD, Osaka Univ.) & Ryoichiro Kageyama (IVR, Kyoto Univ.)**

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**S3-1 (30min)**

**How cells recognize viruses: offense and defense**

Takashi Fujita (Institute for Virus Research, Kyoto University)

**S3-2 (30 min)**

**Host-pathogen interaction mediated by paired receptors**

Hisashi Arase (Research Institute for Microbial Diseases, Osaka University)

**S3-3 (30 min)**

**Oxidative genomic damage in brain and neuroprotection**

Yusaku Nakabeppu (Medical Institute of Bioregulation, Kyushu University)

**S3-4 (40min)**

**Mechanisms of NALP3 and AIM2 inflammasome activation**

Eicke Latz, (University of Massachusetts Medical School, Division of Infectious Diseases and Immunology)

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**15:10-15:25 break**

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**15:25-17:35**

**Session 4: Molecular and Cellular Biology**

**Chair: Tamotsu Yoshimori (RIMD, Osaka Univ.) & Jun-ichiro Inoue (IMS, The Univ. of Tokyo)**

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**S4-1 (40 min)**

**A *Salmonella* effector blocks phagosome-lysosome fusion.**

Malina Bakowski (Program in Cell Biology, The Hospital for Sick Children, Canada)

**S4-2 (30 min)**

**Gating and transport mechanisms of membrane channels**

Osamu Nureki (Institute of Medical Science, The University of Tokyo)

**S4-3** (30 min)

**Visualization and manipulation of alternative pre-mRNA splicing**

Masatoshi Hagiwara (Medical Research Institute, Tokyo Medical and Dental University)

**S4-4** (30 min)

**Distinct pathways for degradation of misfolded proteins in the endoplasmic reticulum.**

Kazuhiro Nagata (Institute for Frontier Medical Sciences, Kyoto University)

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**17:35 CLOSING**

**Hitoshi Kikutani**

commendation ceremony for young investigator award

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